

**Notice of Allowability**

Application No.

10/780,214

Examiner

Tho G. Phan

Applicant(s)

AISENBREY, THOMAS

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a filing date of 2/17/04.
2. ☒ The allowed claim(s) is/are 1-40.
3. ☒ The drawings filed on 17 February 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

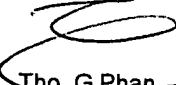
\* Certified copies not received: \_\_\_\_\_

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 7/2/04, 4/15/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
Tho G. Phan  
Primary Examiner  
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**DETAILED ACTION**

***Allowable Subject Matter***

1. The following is a statement of reasons for the indication of allowable subject matter: Claims 1 and 20 are allowable over the art of record because the prior art does not teach the conductive loaded resin-based material comprises conductor fibers, conductor powders, or a combination of the conductor fibers and the conductor powders in a base resin host and the ratio of the weight of the conductor fibers, the conductive powders, or the combination of conductive fibers and conductive powders to the weight of the base resin host is between about 0.20 and 0.40; an antenna element formed in the sidewall element wherein the antenna element is formed of the conductive loaded resin-based material; a system having interconnected electronic devices placed within the top element, the sidewall element, and the bottom element; and in combination with the remaining claimed limitations.
2. Claims 12 and 32 are allowable over the art of record because the prior art does not teach the conductive loaded resin-based material comprises conductor fibers, conductor powders, or a combination of the conductor fibers and the conductor powders in a base resin host and the ratio of the weight of the conductor fibers, the conductive powders, or the combination of conductive fibers and conductive powders to the weight of the base resin host is between about 0.20 and 0.40; integrated circuit elements attached to the substrate; a second package element formed of the conductive loaded resin-based material, wherein the second package element is attached to the first package element covering the substrate and the integrated circuit elements so that the first package element

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and the second package element form a protective shell and an electromagnetic absorber around the substrate and the integrated circuit elements; and in combination with the remaining claimed limitations.

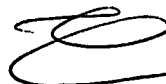
*Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The patents to Jaquet, Luch and Kasevich et al are cited as of interested and illustrated a similar structure to a conductive loaded resin based material comprising conductive fibers or powders.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho G. Phan whose telephone number is 571-272-1826. The examiner can normally be reached on M-F, 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on 571-272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho G Phan  
Primary Examiner  
Art Unit 2821